

**Question 1.** Regarding CLIN 7 of the NASA Solicitation NNK14495022R.  
The nitrogen volumes listed are:

CLIN	NASA Facility	Unit	Annual Tons Year 1	Year 2	Year 3	Year 4	Year 5
7	Johnson Space Center (JSC)	Ton	27,000	17,000	17,000	13,000	13,000

Can you confirm future volumes and/or the unit of measure for the volume?

**Answer 1.** The future quantities are only estimates based on best available information.  
The unit of measure is tons (1 ton = 2,000 pounds).

**Question 2.** Is the LN2 requirement at JSC (CLIN 008) for Building 31 (15,000 gallon tank) a new requirement?

**Answer 2.** No, CLIN 008 is not a new requirement.

**Question 3a.** Regarding CLIN 007, Attachment 4, the RFP Pricing Sheet, Page 3, lists year 1 quantity as 17,000 tons and year 2 as 27,000 tons. Section 1.5 Schedule of Supplies, lists year 1 quantity as 27,000 tons and year 2 as 17,000 tons. Which is correct?

**Answer 3a.** The Schedule of Supplies is correct. A modification to the RFP will correct the error in the RFP Pricing Sheet.

**Question 3b.** If these are the correct quantities can you explain why the volumes would be significantly higher than in years past?

**Answer 3b.** The higher quantities are mainly related to pre-flight testing of the James Webb Space Telescope.

**Question 4a.** RE: 1.7. Economic Price Adjustment: NASA has provided Economic Price Adjustment formula by CLIN.

Can a supplier take exception to this article/pricing requirement and propose firm/fixed pricing per contract year?

**Answer 4a.** Reference Section 6.6 of the RFP: Note: Use of the Economic Price Adjustment (see Section 1.7) is mandatory; alternate pricing proposals will not be accepted. In addition, pricing proposals which utilize pricing conditions based on the award of multiple CLINs will not be accepted.

**Question 4b.** If not, can the supplier propose a more suitable Economic Price Adjustment formula?

**Answer 4b.** Reference Section 6.6 of the RFP.

**Question 5a.** CLIN 005: How often do you anticipate ordering the maximum 35,000 gallons of nitrogen per day?

**Answer 5a.** The maximum daily order is expected to occur approximately 2 times per year.

**Question 5b.** How will orders be placed for the multiple of tank deliveries?

**Answer 5b.** The specific tanks requiring delivery will be identified when the order is placed.

**Question 5c.** Will specific tank orders be placed or a total volume desired?

**Answer 5c.** Typically orders are by the full tanker load with the specific tanks requiring delivery identified when the order is placed.

**Question 6a.** CLIN 013: Do you order nitrogen trucks in "waves" of 3 for building 4659?

**Answer 6a.** Nitrogen trucks for building 4659 are not typically ordered in waves of 3, but maybe sometimes.

**Question 6b.** When maximum (200 tons per day) orders are issued is the delivery window opened from 7:00 am to 2:00 pm?

**Answer 6b.** When maximum orders are issued, the delivery window will be opened beyond 7:00am to 2:00pm and should be coordinated with the center point of contract.

**Question 7a.** CLIN 014 and 015: Can you give an example of an ordering pattern for nitrogen deliveries?

**Answer 7a.** An example of nitrogen deliveries for CLIN 014 and 016 is typically, four to five tanker loads per weekday with delivery times staggered.

**Question 7b.** Do you order in "waves" and if so, how many per delivery?

**Answer 7b.** No, we do not order in waves.

**Question 7c.** How many nitrogen fill bays are at the nitrogen HPGF site?

**Answer 7c.** There are two nitrogen fill bays at the nitrogen HPGF site.

**Question 8a.** CLIN 024 and 025: Can you give an example of an ordering pattern for oxygen deliveries?

**Answer 8a.** For CLIN 024, a typical order will be for six tankers at one time and twelve tankers in one day. For CLIN 025, a typical order will be for three tankers at one time and six tankers in one day.

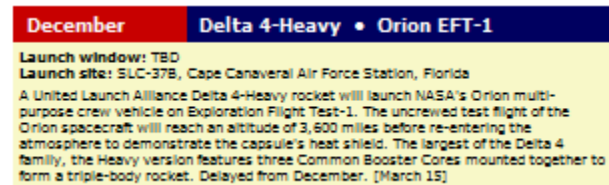
**Question 8b.** Do you order in "waves" and if so, how many per delivery are expected?

**Answer 8b.** Typically, six tankers are ordered for delivery at the same time.

**Question 8c.** How many oxygen fill bays are at the barge dock?

**Answer 8c.** There are six oxygen fill bays at the barge dock.

**Question 9.** CLIN 0020: The following Delta IV Heavy Launch is not listed in the requirements for this CLIN, does it not apply?



**Answer 9.** The Delta IV Heavy EFT-1 launch should be included in CLIN 020. See the attached revision to the RFP Pages 9 and 10 and Attachment 004.

**Question 10.** Can you clarify the intended delivery locations for CLINs 0003, 0004, and 0016 for Glen Research Center (GRC)? The RFP did not clearly specify this information. We believe CLINs 0003 and 0016 are assigned to Cleveland and 0004 is Sandusky, but we want to make 100% sure.

**Answer 10.** CLINs 003, 004, and 016 contractually apply to both Cleveland and Sandusky. However, CLIN 004 is expected to be entirely support to Sandusky (Plum Brook Station).

**Question 11a.** In the price section, page 1 of 9, CLIN 002, there is not a line item for the rental of contractor provided dewars, as outlined in the Statement of Work in section (b) for this CLIN, was this an oversight?

**Answer 11a.** No, the desired billing arrangement is to not have separate rental charges for the contractor provided dewars.

**Question 11b.** Also, the "hot tank fill" row on CLIN 002 of the RFP Pricing Sheet is an error since it is standard practice to fill "hot" portable dewars.

**Answer 11b.** See the attached revision to the RFP, Attachment 004 removing the "hot tank fill" requirement.

**Question 12.** Regarding CLIN volumes at Marshall Space Flight Center. CLIN 13 is in question, given the Max Monthly volume of 4,400 Tons, are the yearly estimated volumes of 8,000 Tons correct?

**Answer 12.** Yes, the yearly estimated volume of 8,000 Tons is correct.

**Question 13.** Please refer to CLIN 14 as an example, whereas the Max Monthly is 4,000 Tons and the estimated yearly volume average is ~26,800 Tons. Can you confirm these numbers?

**Answer 13.** MSFC's testing activities occasionally require large quantities of LN2 which is accommodated by the stated maximum daily, weekly, and monthly orders.

**Question 14.** It appears that one contractor is expected for the total KSC requirements per product? Or is it the intent to multi source the requirements per product?

**Answer 14.** Except for CLINs 015 and 025, each CLIN is awarded to a single contractor that proposes the lowest offer. There are 5 CLINs for KSC/CCAFS; thus, potentially there could be up to 5 separate contractors for each CLIN.